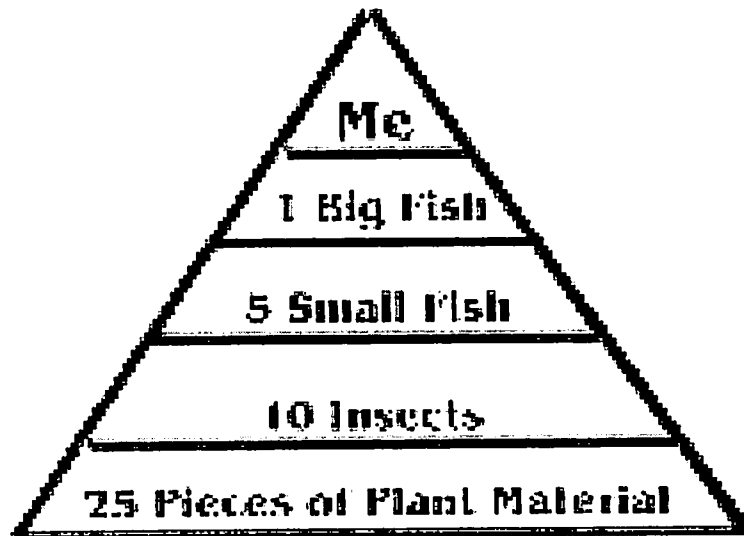


# **Biomagnification**



1. Let's look at our food chain to see how biomagnification works. Let's say for example that each piece of plant material has one microscopic drop of methyl mercury. One insect eats 25 pieces of plant material that would mean that each insect would have \_\_\_\_\_ microscopic drops of methyl mercury in its body.
2. If one small fish needs 10 insects to live, then one fish would have \_\_\_\_\_ microscopic drops of methyl mercury.
3. One big fish eats 5 small fish to live. So, one big fish would collect a total of \_\_\_\_\_ microscopic drops of methyl mercury in its body.
4. What about you and me? Lets say we eat 1 big fish a day for 3 days. We would collect a total of \_\_\_\_\_ drops of methyl mercury in our body over the 3 days.  
This is how biomagnification works!
5. Now let's say that methyl mercury makes living things sick. The more methyl mercury in the living organism, the more sick it would get. From our example above, which organism will be most affected by the toxin methyl mercury?  
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